

Docket No.:
49581/P028US/10103789
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kurt J. Richter et al.

Patent No.: 7,333,791

Confirmation No.: 1074

Filed: December 11, 2001

Art Unit: 2617

For: USE OF AN IMAGE REJECT MIXER IN A
FORWARD DATA CHANNEL TUNER

Examiner: B. W. Taylor

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors and omissions which should be corrected.

On the cover page:

On the cover page, located in the inventor's name (left hand column), delete "Jerry T. Bolton" and replace with --Jerry T. Bolton, Jr.--.

On the cover page, located in the References Cited under U.S. Patent Documents, Foreign Patent Documents and Other Publications, please insert the following reference where appropriate:

Other Publications

"250 MHz QAM IF Downconverter", California Eastern Laboratories

PTO Form SB-08 with Cite Number AY, (a copy is enclosed herewith complete with Examiners initials) filed on March 11, 2002, reflects the above mentioned omission to the given reference.

In the Specification:

Column 5, line 13, delete the text "modem" and replace with --modern--.

In the Claims:

In Claim 4, line numbers 3-4, delete the text "prosides" and replace with --provides--.

In Claim 13, line number 34, delete the text "ranac" and replace with --range--.

In Claim 16, line number 46, delete the text "convened" and replace with --converted--.

In Claim 30, line number 59, delete the text "sianal" and replace with --signal--.

The errors were not in the application as filed by applicant, rather, incorrectly transcribed to the Letters Patent; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2380, under Order No.

49581/P028US/10103789.

Dated: February 28, 2008

Respectfully submitted,

By R. Ross Viguet
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 2

PATENT NO. : 7,333,791
APPLICATION NO. : 10/014,760
ISSUE DATE : February 19, 2008
INVENTOR(S) : Kurt J. Richter et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page, located in the inventor's name (left hand column), delete "Jerry T. Bolton" and replace with --Jerry T. Bolton, Jr.--.

On the cover page, located in the References Cited under U.S. Patent Documents, Foreign Patent Documents and Other Publications, please insert the following reference where appropriate:

Other Publications

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55207228.1

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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MAR 14 2002

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/014,760
Filing Date	December 11, 2000
First Named Inventor	Kurt J. Richter
Group Art Unit	2121
Examiner Name	Not Yet Assigned

MAR 20 2002

Attorney Docket Number DO-049581/P02

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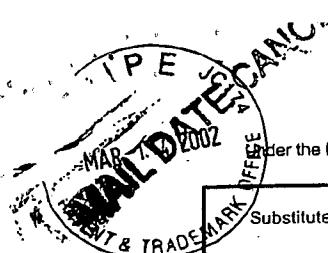
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BWT	A	6,285,865	09-04-2001	Vorenkamp et al.	
	B	4,581,643	04-08-1986	Carlson	1C
	C	4,726,072	02-16-1988	Yamashita et al.	2800 MAIL ROOM
	D	4,742,566	05-03-1988	Nordholt et al.	HAR 25 APR 25 2002
	E	4,979,230	12-18-1990	Marz	RECEIVED
	F	5,038,404	08-06-1991	Marz	
	G	5,060,297	10-22-1991	Ma et al.	
	H	5,140,198	08-18-1992	Atherly et al.	
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	J	5,311,318	05-10-1994	Dobrovolny	
	K	5,321,852	06-14-1994	Seong	
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	M	5,428,836	06-27-1995	Sanecki et al.	
BWT	N	5,563,545	10-08-1996	Scheinberg	RECEIVED APR 01 2002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Technology Center 2600
BWT	O	Meyer, Robert G. "A 1-GHz BiCMOS RF Front-End IC." IEEE Journal of Solid-State Circuits; Vol. 29 No. 3 (March 1994): 350-355.	
	P	Kinget, Peter and Michiel Steyaert. "A 1 GHz CMOS Upconversion Mixer". IEEE Custom Integrated Circuits Conference. (1996) 197-200.	
	Q	Crols, Jan, and Michel S. J. Steyaert. "A 1.5 GHz Highly Linear CMOS Downconversion Mixer." IEEE Journal of Solid-State Circuits. Vol. 30 No. 7 (July 1995). 736-742.	
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	S	Okanobu, Taiwa, Hitoshi Tomiyama, and Hiroshi Arimoto. "Advanced Low Voltage Single Chip Radio IC." IEEE Transactions on Consumer Electronics . Vol. 38 No. 3. (August 1992) 465-475.	
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	U	Anadigics, Inc. CATV/TV/CABLE MODEM UPCONVERTER MMIC. Warren NJ (April 22, 1998).	
	V	Anadigics Inc. VHF/UHF CATV/TV Tuner Dowconverter. Warren, NJ. (April 22, 1998).	
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	X	Archer, John, and John Granlund, and Robert E. Mauzy. "A Broad-Band UHF Mixer Exhibiting High Image Rejection over a Multidecade Baseband Frequency Range." IEEE Journal of Solid-State Circuits, Vol. SC-16 No. 4 (August 1981) 385-392.	
	Y	"Double-balanced mixer and oscillator" Phillips Semiconductors. (November 7, 1997). 1-11	
	Z	Gilbert, Barrie. "Demystifying the Mixer" Analog Devices Inc. (April 1994). 1-58.	
	AA	Scheinberg, N., et al. "A GaAs Up Converter Iterated Circuit for a Double Conversion Cable TV "Set-Top" Tuner" International Conference on Consumer Electronics. (June 1993). 108-109.	
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Substitute for form 1449B/TRADEMARK OFFICE

INFORMATION DISCLOSURE
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Sheet

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Group Art Unit	2121
Examiner Name	Not Yet Assigned

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Technology Center 2100

DO-049581/P0281874018748789

BWT	Citation
AE	Nakatsuka, T., et al., "Low Distortion and Low Noise Oscillator Mixer for CATV Converters." GaAs Symposium Technical Digest. (1988). 161-164.
AF	Brady, Vernon, et al. "Development of a Monolithic FET Ka-Band Single Side Band UpConverter and Image Reject Downconverter." GaAs Symposium Technical Digest (October 1989) 189-192.
AG	Ablassmeier, Ulrich, et al. "GaAs FET Upconverter for TV Tuner" IEEE Transactions on Electron Devices, Vol ED-27, No. 6. (June 1980). 1156-1159.
AH	Maas, Stephen A. "A GaAs MESFET Mixer with Very Low Intermodulation" IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-35, No. 4. (April 1987). 425-429.
AI	Pandula, Louis. "Image Reect and Image Canceling Mixers" RF Design. (April 1995). 60-65.
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AL	Ducourant, Thierry, et al. "A 3 Chip GaAs Double Conversion TV Tuner System with 70 dB Image Rejection." Monolithic Circuits Symposium Digest of Papers. (1988). 87-90.
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AO	Maier, Gerd M. "New System Approach to TV Tuner Design." IEEE Transactions on Consumer Electronics, Vol. 36, No. 3. (August 1990). 403-406.
AP	McDonald, Mark D. "A 2.5GHz BiCMOS Image-Reject Front-End" IEEE International Solid-State Circuits Conference. (1993). 144-145.
AQ	Lovelace, David, et al. "Silicon Upconverter RF IC Simplifies Cable Modem Designs" Microwaves & RF (March 1997). 136-142.
AR	Farmer, James O. "Specifications for Tuner Design for use in Cable Ready Television Receivers and VCRs." IEEE Transactions on Consumer Electronics, Vol. 36, No. 3,. (August 1990). 660-668.
AS	Abidi, Asad A. "Direct-Conversion Radio Transceivers for Digital Communications." IEEE International Solid-State Circuits Conference. (1995). 186-187; 363-364.
AT	Al-Hashimi, Bashir. "Understand the Fundamentals of Passive Video Filters." Microwaves & RF. (May 1996). 171-178.
AU	Crols, Jan and Michiel Steyaert. "A Fully integrated 900MHz CMOS Double Quadrature Downconverter" IEEE International Solid-State Circuits Conference. (1995). 136-137.
AV	Long, John R., et al. "A Low-Voltage Silicon Bipolar RF Front -End for PCN Receiver Applications." IEEE International Solid-State Circuits Conference. (1995). 104-105; 140-141.
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AZ	"A Dual-Channel QAM/QPSK Receiver IC with Integrated Cable Set-Top Box Functionality" Lionel D'Luna et al.; IEEE 1998 Custom Integrated Circuits Conference; pp. 351-352

Examiner Signature	<i>Berry J. Hay</i>	Date Considered	2/24/06
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

